

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/12219

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C12P1/02 C07K14/46

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07K C12P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal, MEDLINE, BIOSIS, EMBASE, CHEM ABS Data, SEQUENCE SEARCH

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 97 02343 A (UNILEVER PLC ;UNILEVER NV (NL)) 23 January 1997 (1997-01-23) see esp. claim 6 and the whole document	1-11
Y	WO 99 37782 A (TWIGG SARAH ;UNILEVER PLC (GB); WORRALL DAWN (GB); JARMAN CARL DUD) 29 July 1999 (1999-07-29) see esp. claim 6 and p.35, 1.5 ff.	1-11
Y	WO 99 37673 A (BYASS LOUISE JANE ;UNILEVER PLC (GB); SIDEBOTTOM CHRISTOPHER MICHA) 29 July 1999 (1999-07-29) see esp. claim 6 and p.5,1.5-10 --- -/-	1-11

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

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- \*P\* document published prior to the international filing date but later than the priority date claimed

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Date of the actual completion of the International search

15 March 2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 94 04687 A (STRAHL BOLSINGER SABINE ;TANNER WIDMAR (DE); FLEER REINHARD (FR);) 3 March 1994 (1994-03-03) the whole document -----	
A	CHAO H ET AL: "STRUCTURE-FUNCTION RELATIONSHIP IN THE GLOBULAR TYPE III ANTIFREEZE PROTEIN: IDENTIFICATION OF A CLUSTER OF SURFACE RESIDUES REQUIRED FOR BINDING TO ICE" PROTEIN SCIENCE, CAMBRIDGE UNIVERSITY PRESS, CAMBRIDGE, GB, vol. 3, 1994, pages 1760-1769, XP000601182 ISSN: 0961-8368 -----	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/12219

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9702343	A	23-01-1997	AU 723039 B2	17-08-2000
			AU 6519096 A	05-02-1997
			BR 9609325 A	25-05-1999
			CA 2226101 A1	23-01-1997
			CN 1193999 A	23-09-1998
			CZ 9800006 A3	13-05-1998
			WO 9702343 A1	23-01-1997
			EP 0836646 A1	22-04-1998
			HU 9802321 A2	01-02-1999
			JP 11508451 T	27-07-1999
			JP 2004043484 A	12-02-2004
			PL 324437 A1	25-05-1998
			SK 179497 A3	08-07-1998
			TR 9701752 T1	21-05-1998
			ZA 9605735 A	05-01-1998
WO 9937782	A	29-07-1999	AU 747087 B2	09-05-2002
			AU 2418899 A	09-08-1999
			BR 9814776 A	24-10-2000
			CA 2319118 A1	29-07-1999
			CN 1290300 T	04-04-2001
			WO 9937782 A2	29-07-1999
			EP 1049783 A2	08-11-2000
			HU 0101252 A2	28-08-2001
			JP 2002504316 T	12-02-2002
			PL 342578 A1	18-06-2001
			SK 10952000 A3	12-02-2001
			TR 200002101 T2	22-01-2001
WO 9937673	A	29-07-1999	AU 753334 B2	17-10-2002
			AU 2614899 A	09-08-1999
			BR 9814760 A	17-10-2000
			CA 2318869 A1	29-07-1999
			CN 1284085 T	14-02-2001
			WO 9937673 A2	29-07-1999
			EP 1049713 A2	08-11-2000
			HU 0100410 A2	28-06-2001
			ID 25509 A	05-10-2000
			JP 2002508303 T	19-03-2002
			PL 342568 A1	18-06-2001
			SK 10932000 A3	18-01-2001
			TR 200002105 T2	21-12-2000
WO 9404687	A	03-03-1994	DE 4226971 A1	17-02-1994
			AT 245701 T	15-08-2003
			AU 679935 B2	17-07-1997
			AU 4948293 A	15-03-1994
			CA 2140894 A1	03-03-1994
			DE 4244915 C2	03-12-1998
			DE 69333112 D1	28-08-2003
			WO 9404687 A1	03-03-1994
			EP 0658203 A1	21-06-1995
			FI 950628 A	13-02-1995
			JP 8500975 T	06-02-1996
			NO 950534 A	05-04-1995
			NZ 255350 A	26-11-1996
			US 5714377 A	03-02-1998
			ZA 9305915 A	13-04-1995